



Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2658

Madison, WI 53701-2658

Evaluation #

200120-I (Replaces 960004-I
Revised)

Wisconsin Building Products Evaluation

Material

Styrofoam® Deckmate® Roof Insulation

Manufacturer

The Dow Chemical Co.
1605 Joseph Dr. Larkin 200 Bldg.
Midland, MI 48674

SCOPE OF EVALUATION

Styrofoam® Deckmate® roof insulation, manufactured by The Dow Chemical Company, was evaluated for use as a foam plastic insulation to be applied directly to metal roof deck when part of a listed roof system. Styrofoam® Deckmate® roof insulation is allowed to be installed without the use of an thermal barrier in accordance with **s. Comm 51.06(4)(e) 3.** of the current Wisconsin Building And Heating, Ventilating And Air Conditioning Code.

DESCRIPTION AND USE

Styrofoam® Deckmate® is an extruded polystyrene insulation board that may be applied directly to steel roof decks that meet the minimum requirements for listing (see Number 2 in the following system diagrams) without the need of a thermal barrier between the foam plastic insulation and the building interior.

TESTS AND RESULTS

Styrofoam® Deckmate® was tested in accordance with UL 1256. Its satisfactory performance resulted in the listing of UL Construction Number 440 and the revision of UL Construction Number 260 allowing a thicker application of Styrofoam® Deckmate®, and removing the sand firebreak requirement when using Styrofoam® Deckmate®.

LIMITATIONS OF APPROVAL

For use without the thermal barrier normally required under s. **Comm 51.06(3)**, installation and construction shall be in accordance with UL Roof Deck Construction Numbers 260 or 440.

(NOTE: See TESTS AND RESULTS sections on page #2. U.L. Roof Deck Constructions (*TGKX 260 & 440 were taken from the current 2000 Roofing Materials & Systems Directory.)

***This evaluation does not allow a thickness greater than the maximum allowed in the details, nor the use of an average thickness in tapered construction.**

This approval will be valid through December 31, 2006, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date: _____

Approval Date: July 24, 2001

By: _____

Lee E. Finley, Jr.
Product & Material Review
Integrated Services Bureau

